Index of Claims

| Applica | ation | /Contr | ol No. |
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09/541,426 Examiner

Dung Nguyen

Applicant(s)/Patent under Reexamination

KIM ET AL.

Art Unit

2871

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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| The color of the  |   |                     | )<br>Date |          |          |         | 1        | Claim    | Г            | 7:::: |  | Date            |  |               | aim | Cla      |       | $\neg$    |  | ate                                     | D:            |  |  | im            | Cla          |
|---|---|---------------------|-----------|----------|----------|---------|----------|----------|--------------|-------|--|-----------------|--|---------------|-----|----------|-------|-----------|--|---|---------------|--|--|---------------|--------------|
| 1 v   51 v   101   102   3   3   4   4   4   5   5   5   5   5   5   5  | T   |                     |           |          |          |         |          |          |              |       |  |                 |  |               |     |          |       |           |  |   |               |  |  |               |              |
| 1 v   51 v   101   102   3   3   4   4   4   5   5   5   5   5   5   5  |   | :                   |           |          |          |         | <u>=</u> | <u> </u> | <u> </u>     |       |  |                 |  | 8             | ig  | ख        |       | 1 1       |  |   |               |  | <u> </u>                                     | ina           | ন্ত          |
| 1 v   51 v   101   102   3   3   4   4   4   5   5   5   5   5   5   5  |   | .                   |           |          |          |         | Ē        | - P      | أة ا         |       |  |                 |  | [2            | rig | ᇤ        |       |           |  |   |               |  | 3  | nig           | l i E        |
| 2    v  |   |                     |           |          |          |         | ٦        | 0        |              |       |  |                 |  | ٦             | 0   |          |       |           |  | 1                                       | - 1           |  | ۱۳   | 0             |              |
| 2    v  | <del>                                      </del> | $\vdash$            | _         |          | $\neg$   | +-      | 01       | 10       | <del> </del> |       |  |                 |  | v             | 51  |          |       | $\vdash$  | <del></del>                                      | ┪~                                      | $\dashv$      | +  | , <del> </del>                               | 1             | _            |
| 3   | +   | $\vdash$            |           | -        |          | +-      | _        |          | ┝            | -     |  |                 | <del></del>                                      | -             |     |          |       | $\vdash$  | $\vdash$   | +                                       | -             | ++   | —  |               |              |
| 4    v  | +++   | $\vdash$            | _         | $\dashv$ | $\vdash$ | -       |          |          | ⊢            |       | $\vdash$   |                 |  |               |     |          |       | $\vdash$  | $\vdash$   | +                                       | +             | +  | _  |               | <del></del>  |
| 5    v  | ++-   | $\vdash$            | _         | $\dashv$ |          |         |          |          | -            |       |  | $\vdash$        |  | $\overline{}$ |     |          |       | $\vdash$  |  |   | -             | +-+  |  |               | <u> </u>     |
| 6 v   56 v   106   107   8 v   57 v   108   108   9 v   59   109   100   110   111   111   111   112   113   12 v   663   113   114   115   115   116   117   118   118   119   119   119   110   110   110   111 | +++   | $\vdash$            |           | —        |          |         |          |          | ├            |       |  |                 |  | -             |     |          |       | Н         |  |   | +             | +  | _  |               | <u> </u>     |
| 7   | +++   | $\vdash \vdash$     |           | _        | -        |         |          |          | ⊢            |       | $\vdash$   |                 |  |               |     |          |       | ↤         | $\vdash$   | +                                       | 4             | +  | _  |               | <u> </u>     |
| S   | +   | $\vdash$            |           |          |          | _       |          |          |              |       |  | $\vdash$        |  | -             |     |          |       | ╁╌┤       |  | 4                                       | -             | +  | -  |               |              |
| 9    v  | +++   | $\vdash \vdash$     |           | _        |          | <b></b> |          |          |              |       | $\sqcup \sqcup$                                  | $\vdash$        |  | <u> </u>      |     |          |       | Н         |  |   |               | +  | -  | $\rightarrow$ |              |
| 10    v   | $\bot \bot \bot$                                  | L                   |           |          |          | _       |          |          | L.           | _     |  | $\sqcup$        | $\sqcup \bot$                                    |               |     |          |       | Ш         | $\sqcup \sqcup$                                  |   | _             | $\perp$  |  | -             |              |
| 11  | $\bot \bot \bot$                                  | $\sqcup$            |           |          |          |         |          |          | _            | _     |  |                 | <u> </u>   | _             |     |          |       | Ш         |  | $\perp$                                 | $\perp$       | +  |  |               |              |
| 12    v   |   | Ш                   |           |          |          |         |          |          |              |       |  | $oxed{oxed}$    |  |               |     |          |       | Ш         | $\Box$   |   |               | $\perp \perp$  | <u> </u>                                     |               |              |
| 13    v   |   |                     |           |          |          |         |          |          |              |       |  |                 |  |               |     |          |       | Ш         |  |   |               | $\perp$  | <u> </u>                                     |               |              |
| 14    v   |   | $\Box$              |           |          |          |         |          |          | L            |       |  |                 |  |               |     |          |       | Ш         |  | لــــــــــــــــــــــــــــــــــــــ |               |  | <u> </u>                                     |               | L            |
| 14    v   |   |                     |           |          |          |         |          |          |              |       |  | $\Box \top$     |  |               |     |          |       |           |  |   | $\prod$       |  | v [  | 13            |              |
| 15    v   | $\Box$  |                     |           |          |          |         |          |          |              | 7     |  |                 |  |               |     |          |       | $\Box$    |  |   |               |  | v  | 14            |              |
| 16    v   |   | Ħ                   |           |          |          |         |          |          |              | 7     |  |                 |  | $\neg$        |     |          |       | П         |  |   | $\neg$        | $\Box$   | v  | 15            |              |
| 17    v   |   | 一十                  |           |          |          | $\top$  |          |          | Г            |       |  |                 |  |               |     |          |       | П         |  |   | $\neg$        | 11   | v  |               |              |
| 18   v   68   118   119   v     19   v   120   70   120   120   120   120   121   121   121   121   121   121   121   121   121   121   122   122   122   123   123   124   124   124   124   124   125   125   126   125   126   127   127   127   127   127   128   129   128   129   129   129   130   130   131   130   131   131   132   133   133   133   133   133   133   133   133   133   133   133   133   134   134   134   134   134   134   134   134   134   135   135   135   135   135   135   136   137   137   137   138   139   143   141   141   141   142   143   144   144   144   144   144   144   144   144   144   144   | +   | $\vdash$            |           | -        | _        | $\top$  |          |          |              |       | -  |                 |  |               |     |          |       | $\Box$    | _  |   | $\dashv$      | $\top$   |  |               |              |
| 19    v   | <del>                                     </del>  | H                   | _         |          |          | +-      |          |          |              | -     |  |                 | $\vdash$   | ┪             |     |          |       | Н         | $\vdash$   | +                                       | 十             | 1  |  |               |              |
| 120   | +   | $\vdash$            |           | -        |          | +       |          |          | -            |       |  | $\vdash$        | $\vdash\vdash$                                   |               |     |          |       | Н         | -+-  | +                                       | +             | ╅  | _  |               | _            |
| 121   122   122   123   124   125   125   126   126   127   127   128   128   129   129   130   130   131   131   131   132   133   133   133   134   134   135   136   136   136   136   137   137   138   138   138   138   138   138   138   139   140   141   141   144   144   144   145   145   148   | +++   | $\vdash$            | _         | $\dashv$ | -        | +       |          |          | -            |       | <del>    .  </del>                               | $\vdash$        | $\vdash \vdash$                                  |               |     |          |       | H         |  | +                                       |               | +  | _  |               |              |
| The color of the  | ╁┼┼┼  | $\vdash$            |           | -        |          | +       |          |          |              |       | -  | $\vdash$        | $\vdash$   | -             |     |          |       | ╂╾┤       | <del>                                     </del> | +                                       | $\dashv$      | +  | _  |               | ļ            |
| Table   Tabl  | +++   | $\vdash$            |           | -        |          | +       | 21       | 12       | _            |       |  | $\vdash$        | $\vdash$   |               |     | -        |       | ⊣         |  | +                                       |               | ┿  | $\rightarrow$                                |               | <u> </u>     |
| Text  | +++   | $\vdash$            | _         | _        |          | $\perp$ |          |          | <u> </u>     |       | $\vdash$   |                 | <del>   -</del>                                  |               |     |          |       | ╢         | -  | +                                       | $\dashv$      | +  | _  |               |              |
| 25    v   | +++   | $\vdash$            |           | _        |          | $\bot$  |          |          |              |       |  |                 | <b></b>  | _             | /3  |          |       | ₩         |  | +                                       | _             | +  | _  | -             | <u> </u>     |
| 26 v   27 v   28 v   29 v   30 v   31 v   32 v   33 v   34 v   35 v   36 v   38 a   37 v   38 a   37 v   38 a   37 v   38 a   39 v   40 v   90 a   41 v   92 a   43 v   44 v   45 v   96 a   44 v   98 a   146 a   47 v   98 a   146 a   47 v   98 a   146 a   147 a   148 a  | +++   | $\vdash \vdash$     |           |          |          | _       |          |          |              |       | $\square$  |                 | Щ.   | _             |     |          |       | $\vdash$  |  | $\perp$                                 |               | +  | _  |               | <b></b>      |
| 27   v   77   127   128     29   v   79   129   129     30   v   80   130   131   131     31   v   82   132   132   132   133   133   134   134   134   134   134   134   135   135   136   137   136   137   137   138   137   138   138   138   138   139   140   140   141   141   141   142   142   142   144   144   144   144   145   146   146   147   148 <t< td=""><td>+++</td><th><math>\sqcup</math></th><td></td><td>_</td><td></td><td>↓</td><td></td><td></td><td></td><td>_</td><td>   </td><td><math>\perp</math></td><td></td><td>_</td><td></td><td></td><td></td><td><math>\vdash</math></td><td></td><td><math>\perp</math></td><td></td><td></td><td>_</td><td></td><td></td></t<>   | +++   | $\sqcup$            |           | _        |          | ↓       |          |          |              | _     |  | $\perp$         |  | _             |     |          |       | $\vdash$  |  | $\perp$                                 |               |  | _  |               |              |
| 28   v   128   129     30   v   80   130   131     31   v   81   131   131     32   v   83   132   132     33   v   84   134   134     35   v   86   135   135     36   v   86   136   137     38   v   88   138   139     40   v   90   140   141     41   v   91   141   141     42   v   92   142   143     43   v   94   144   145     46   v   96   146   147   148     48   v   98   148   148  | $\bot \bot \bot$                                  | $\sqcup$            |           | _        |          |         |          |          |              | _     |  | $\perp \perp$   | Щ.   | _             |     |          |       | Ш         |  | $\perp$                                 | _             | 44   | _  |               |              |
| 29 v   129     30 v   80     31 v   130     32 v   132     33 v   83     34 v   83     35 v   85     36 v   85     37 v   88     39 v   88     40 v   90     41 v   91     42 v   92     43 v   93     44 v   94     45 v   96     46 v   96     48 v   148   |   |                     |           |          |          | $\perp$ |          |          |              |       |  |                 |  |               |     |          |       | Ш         |  |   |               | 1.1  |  | _             | <u> </u>     |
| 30    v   |   | Ш                   |           |          |          |         |          |          |              |       |  |                 |  |               |     |          |       |           |  |   |               | $\perp \perp$  | <b>/</b>                                     |               | L            |
| 31 v 81   32 v 82   33 v 83   34 v 84   35 v 85   36 v 86   37 v 87   38 v 88   39 v 88   40 v 90   41 v 91   42 v 92   43 v 93   44 v 94   44 v 94   45 v 96   47 v 97   48 v 98   146   47 v 98   |   |                     |           |          |          |         | 29       | 129      |              |       |  |                 |  |               | 79  |          |       |           |  |   |               |  | /  | 29            |              |
| 32    v   | TTTT  |                     |           |          |          |         | 30       | 130      |              |       |  |                 |  |               | 80  |          |       |           |  |   | _ i           | 1  | 7  | 30            |              |
| 32    v   |   | П                   |           |          |          | $\top$  | 31       | 13       |              |       |  |                 |  |               | 81  |          |       |           |  |   | $\top$        | $\Box$   | 7  | 31            |              |
| 33   v  |   | П                   |           |          |          |         |          |          |              |       |  |                 |  |               | 82  |          |       | П         |  | $\top$                                  |               |  | 7  | 32            |              |
| 34   v   84   134     35   v   85   135     36   v   86   136     37   v   87   137     38   v   88   138     39   v   90   140     40   v   91   141     42   v   92   142     43   v   93   143     44   v   94   144     45   v   96   146     47   v   98   148   |   | $\Box$              |           |          |          | $\top$  |          |          |              |       |  |                 |  |               |     |          |       | П         |  | $\top$                                  |               |  | <i>,</i>                                     |               |              |
| 35 v   85   135     36 v   86   136     37 v   87   137     38 v   88   138     39 v   89   139     40 v   90   140     41 v   91   141     42 v   92   142     43 v   93   143     44 v   94   144     45 v   95   145     46 v   96   146     47 v   97   147     48 v   98   148   | $\Box$  | 一                   | _         |          |          | 1       |          |          |              | 1     |  |                 |  |               |     |          |       | П         |  | $\neg \neg \neg$                        | $\top$        | $\top$   | _  |               |              |
| 36   v   86   136   137     37   v   88   137   137     38   v   88   138   139     40   v   90   140   141     41   v   91   141   141     42   v   92   142   143     43   v   93   143   144     45   v   95   145   146     46   v   96   146   147     48   v   98   148   148   |   | $\vdash$            |           | _        |          |         |          |          |              |       |  |                 |  |               |     |          |       | М         |  | 1                                       | $\top$        | 11   | _  |               |              |
| 37   v   87   137     38   v   88   138     39   v   89   139     40   v   90   140     41   v   91   141     42   v   92   142     43   v   93   143     44   v   94   144     45   v   95   145     46   v   96   146     47   v   98   148   | +++   | $\vdash$            |           | $\dashv$ | $\vdash$ | $\top$  |          |          |              | -     | <del>       </del>                               | $\vdash$        | - -  |               |     |          |       | $\vdash$  |  | 1                                       | $\dashv$      |  | $\rightarrow$                                |               |              |
| 38   v   88   138     39   v   89   139     40   v   90   140     41   v   91   141     42   v   92   142     43   v   93   143     44   v   94   144     45   v   95   145     46   v   96   146     47   v   98   148   | <del>                                     </del>  | $\vdash$            |           | $\dashv$ | $\vdash$ | +       |          |          |              |       | $\vdash$   |                 | $\vdash$   | $\dashv$      |     |          |       | $\vdash$  | $\vdash$   | +                                       | +             | +  | _  |               | <b></b>      |
| 39 v 89   40 v 90   41 v 91   42 v 92   43 v 93   44 v 94   45 v 95   46 v 96   47 v 97   48 v 98   | <del>                                     </del>  | $\vdash$            |           | -        | -        | +-      |          |          | <u> </u>     |       | <del>                                     </del> | $\vdash$        | $\vdash$   | $\dashv$      |     |          |       | ╁─┤       |  | +                                       | +             | +  | -  |               | <b></b>      |
| 40   v   90   140   141   141   141   142   142   142   143   144   144   145   145   146   147   148   v   98   148    | +++   | $\vdash$            |           | $\dashv$ | $\dashv$ | +-      |          |          | $\vdash$     |       | <del>                                     </del> | $\vdash$        | <del>  -</del>                                   |               |     |          |       | $\vdash$  | $\vdash$   | +                                       | $\dashv$      | ╅  | _  |               |              |
| 41 v 91   42 v 92   43 v 93   44 v 94   45 v 95   46 v 96   47 v 97   48 v 98   | +++   |                     |           |          |          | +       |          |          | $\vdash$     |       | $\vdash$   | $\vdash$        | <del>                                     </del> |               |     | $\vdash$ |       | $\vdash$  | $\vdash\vdash\vdash$                             | +                                       | +             | +-+  | _  |               | -            |
| 42 v 92   43 v 93   44 v 94   45 v 95   46 v 96   47 v 97   48 v 98   | ++-+  | $\vdash$            |           | -        | $\dashv$ | +       |          |          | <u> </u>     |       | ┝╌┼─┤  | ┝╾┝╾            | $\vdash\vdash$                                   |               |     |          |       | ╁┤        |  | +                                       | +             | +-+  | _  |               |              |
| 43 v   44 v   45 v   46 v   47 v   48 v   93 143   94 144   145 145   96 146   147 147   98 148   | + + -+-   | $\vdash$            |           | -        |          |         |          |          | $\vdash$     |       | $\vdash$   |                 |  |               |     |          |       | ⊢         |  | +                                       |               | ++   | $\rightarrow$                                |               |              |
| 44 v   45 v   46 v   47 v   48 v   94 144   95 145   146 146   147 147   148 148  | ++  | $\vdash \vdash$     |           |          | -        | +       |          |          | <u> </u>     |       | $\vdash \vdash \vdash \vdash$                    | $\vdash \vdash$ | $\vdash \vdash$                                  |               |     |          |       | $\vdash$  | $\vdash \vdash \vdash$                           | +                                       | $\perp$       | +  | -  |               | $\vdash$     |
| 45 v 95 145 146 146 147 147 148 v 98 148 v 98   | +++   | $\vdash \downarrow$ |           | _        |          | +-      |          |          | <u> </u>     |       |  | $\vdash$        | _ _  |               |     |          |       | $\vdash$  | $\square\square$                                 | +                                       | -             | +  | _  |               | <u> </u>     |
| 46 v 96 146 147 147 147 148 v 98 148 v 98   | +++   | ш                   |           |          |          | +       | 44       | 144      |              |       | $\vdash \vdash \vdash$                           | $\sqcup \bot$   | $\vdash \vdash$                                  | +             | 94  |          |       | $\sqcup$  | -  | 44                                      | $\dashv$      | +  | _  |               | <u> </u>     |
| 47 v 97 147 148 148 148 148 148 148 148 148 148 148   | $\bot \bot \bot$                                  | Ш                   |           |          |          |         |          |          |              | _     |  | oxdot           | oxdot  | _             |     |          |       | igsqcut   |  | $\perp \!\!\! \perp \!\!\! \perp$       | $\perp$       | 1  | _  |               | $oxed{oxed}$ |
| 48 v 98 148   |   |                     |           |          |          |         | 46       | 140      | <u> </u>     |       |  |                 |  |               | 96  |          |       | $\square$ | $\Box$   | ot                                      |               | $\perp \perp$  | _  |               | $\sqcup$     |
|   |   |                     |           | ]        | ]        |         |          |          | _            | _     |  |                 |  |               |     | ]        | ::::[ | $\square$ |  |   |               |  | <u>/                                    </u> |               | L            |
|   |   |                     |           |          |          |         |          |          |              |       |  |                 |  |               |     |          | [     |           |  |   |               | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | <u>,                                    </u> |               |              |
|   |   |                     |           |          |          |         | 19       | 149      |              |       |  |                 |  |               | 99  |          |       |           |  |   | $\Box \Gamma$ | $\prod$  | /  |               |              |
| 50 v 100 150 150  |   | $\sqcap$            |           |          |          | $\top$  | 50       | 150      |              |       |  |                 |  |               |     |          |       |           | $\Box$   | $\Box$                                  | T             | П  | <i>,</i> Т                                   |               |              |